Original/Duplicate/Triplicate

CONTRACT CERTIFICATE

SBR No. /2016-17
EST.COST: 19.96 Lakhs
Dated:

NAME OF WORK: Construction Terrace Floor Building at JP Park Swimming Pool Parking Area in JP Park Ward No-17

A) Premeasurements

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Remarks
1	Providing and laying cement concrete using 20mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) for RCC works laid in 15 cm thick layers and well compacted including vibrating curing etc., including smooth finish in CM 1:3, with all lead and lift etc., complete. (exculsive of cost of steel and fabrication charges)Ready mixed Cement concrete for Beams, Columns, Staircase and Roof with M-30 (Cement-360 Kg/cum)							
	Tarrace Floor work						Cum	
	Column up to roof beam							
	CL1	2	0.30	0.45	3.50	0.95		
	CL2	1	0.30	0.60	3.50	0.63		
	CL3	10	0.30	0.45	3.50	4.73		
	CL4	1	0.30	0.45	3.50	0.47		
	CL5	1	0.30	0.45	3.50	0.47		
	CL6	2	0.30	0.45	3.50	0.95		
	CL7	2	0.20	0.45	3.50	0.63		
	CL8	1	0.30	0.45	3.50	0.47		
	CL9	2	0.20	0.45	3.50	0.63		
	CL10	1	0.20	0.45	3.50	0.32		
	For Frist Floor Beams							
	B1	1	18.55	0.23	0.60	2.56		
	B2	1	18.55	0.23	0.45	1.92		
	B3	1	1.95	0.23	0.45	0.20		
	B4	1	18.55	0.23	0.45	1.92		
	B5	2	7.40	0.23	0.45	1.53		
	B6	1	15.40	0.23	0.45	1.59		
	B7	1	15.40	0.23	0.60	2.13		
	B8	1	15.40	0.23	0.60	2.13		
	B9	2	12.20	0.23	0.60	3.37		
	B10	1	12.20	0.23	0.60	1.68		
	Roof slab	1	18.55	12.20	0.15	33.95		
		1	3.50	7.60	0.15	3.99		
	Stair Case Waste slab	2	4.90	1.35	0.15	1.98		
	Landing	1	2.90	1.90	0.15	0.83		
	Steps 1/2X LXB 1/2x	24	1.35	0.30	0.15	0.73		
	Lift wall	2	2.90	0.25	4.50	6.53		
						77.27		
	Deduction Slab	1	2.70	4.50	0.15	1.82		
						75.44		
					Limit	74.93		
					Total Qty	74.93		
					Qty Upto 125% of BOQ	27.09		
					Qty Beyound 125% of BOQ	47.84		
					Present Qty	74.93		

EE IRRNL

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಯಶವಂತಪುರ ಉಪ ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

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Divisional Cash Book Vr.No: Dated: Development D

NAME OF WORK: Construction Terrace Floor Building at JP Park Swimming Pool Parking Area in JP Park Ward No-17

A) Premeasurements

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Remarks
2	Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.							
	CL1 2Y16 and 4Y20							
	16mm rod for (2)	2			6.60	13.20		
	20mm rod (2)	4			6.60	26.40		
	CL2 4Y16 and 4Y20							
	16mm rod for	4			6.60	26.40		
	20mm rod for	4			6.60	26.40		
	CL3 6Y16							
	16mm rod for (10)	10x6			6.60	396.00		
	CL4 4Y16 and 4Y20							
	16mm rod for	4			6.60	26.40		
	20mm rod for	4			6.60	26.40		
	CL5 2Y12 and 6Y16							
	12mm rod for	2			6.60	13.20		
	16mm rod for	6			6.60	39.60		
	CL6 10Y16							
	16mm rod for	2x10			6.60	132.00		
	CL7 2Y12 and4Y16							
	12mm rod for	2x2			6.60	26.40		
	16mm rod for	2x4			6.60	52.80		
	CL8 6Y16							
	16mm rod for	2x6			6.60	79.20		
	CL9 6Y20							
	20mm rod for	2x6			6.60	79.20		
	CL10 4Y16							
	16mm rod for	4			6.60	26.40		

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Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Remarks
	For stirrups 8mm @20cm c/c							
	CL1 length =(0.550+0.25)x2 +0.30+0.05= 1.65m No s of stirups=6.0/0.20 =30	2						
	CL1	2x30	1.65			99.00		
	CL2	30	1.65			49.50		
		30	2.65			79.50		
	CL3	10x30	1.35			405.00		
	CL4	30	1.35			40.50		
		30	1.35			40.50		
	CL5	30	1.65			49.50		
	CL6	2x30	1.35			81.00		
		2x30	1.35			81.00		
	CL7	2x30	1.45			87.00		
	CL8	30	1.45			43.50		
	CL9	2x30	1.45			87.00		
	CL10	30	1.45			43.50		
	8mm stirups					**1186.50**		
	For Beams							
	For B1 4Y16	4	19.00			76.00		
	B2 4Y16,2Y12,2Y20							
	16mm	2	19.00			38.00		
	12mm	2	19.00			38.00		
	20mm	2	19.00			38.00		
	B3 2Y16,2Y12							
	16mm	2	1.95			3.90		
	12mm	2	1.95			3.90		
	B3 4Y16,2Y12							
	16mm	4	19.00			76.00		
	12mm	2	19.00			38.00		
	B5 6Y16							
	16mm	6	7.80			46.80		
	B6 6Y16							
	16mm	6	15.80			94.80		
	B7 5Y16							
	16mm	5	15.80			79.00		

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Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Remarks
	B8 2Y20,6Y16							
	20mm	2	15.80			31.60		
	16mm	4	15.80			63.20		
	B9 2Y20,2Y12,4Y16							
	20mm	2	12.50			25.00		
	16mm	4	12.50			50.00		
	12mm	2	12.50			25.00		
	B10							
	16mm	2	12.50			25.00		
	12mm	4	12.50			50.00		
	Total stirups Nos 154/0.10 length = (0.17+0.40)x2 =1.20m							
	8mm stirups	1435	1.20			1722.00		
	Roof slab							
	Slab 12.50 X 19.00m							
	12mm Main bars @10cm C/C dixtrubution 10mm @15cm c/c. No of Bars =12.50/0.10 =125Nos ,3.0m/0.10 = 30 nos							
	Main Bars 12mm	125	19.00			2375.00		
	12mm	30	8.00			240.00		
	Spacing bars	275	1.80			495.00		
						3110.00		
	10nm Dist bars 19.0/0.15	127	12.50			1587.50		
	Stair case							
	Using 12mm Bars @10cm c/c							
	12 mm rod	12	5.40			64.80		
		20	4.00			80.00		
	Cross rods	30	1.45			43.50		
						188.30		
	For lift wall length 0f wall 7.95m using 12mm rods @ 12cm c/c 2 lines							
	12mm rods	2	65.00		4.50	585.00		
	10mm	2	35.00		7.95	556.50		

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Sub-Division:

Journal Cash Book Vr.No: 07 Dated:

TMT Abstract

20mm	16mm	12mm	10mm	8mm	6mm
26.40	13.20	13.20	1587.50	1186.50	
26.40	26.40	26.40	556.50	1722.00	
26.40	396.00	38.00			
79.20	396.00	3.90			
38.00	26.40	38.00			
31.60	39.60	25.00			
25.00	132.00	3110.00			
	52.80	188.30			
	79.20	585.00			
	26.40				
	76.00				
	38.00				
	3.90				
	76.00				
	46.80				
	94.80				
	79.00				
	63.20				
	50.00				
	25.00				
253.00	1740.70	4014.60	2144.00	2908.50	0.00

20mm	253.00	2.40			607.20
16mm	1740.70	1.58			2750.31
12mm	4014.60	0.89			3572.99
10mm	2144.00	0.62			1329.28
8mm	2908.50	0.4			1163.40
6mm	0.00	0.22			0.00
					9423.18
				Limit	8991.72
Total					89.92
Total Qtl					33.86
BOQ Qty					56.05
				Present Qty	89.91

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Cash Book Vr.No: Dated:

NAME OF WORK: Construction Terrace Floor Building at JP Park Swimming Pool Parking Area in JP Park Ward No-17							
A) Premeasurements							
Item No	Discription of Item	No	Length	Depth	Qty	Unit	Remarks
5	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specificaitons.						
	B1	2	18.55	0.40	14.84		
	B2	2	18.55	0.40	14.84		
	B3	2	1.95	0.40	1.56		
	B4	2	18.55	0.40	14.84		
	B5	2	7.40	0.40	5.92		
	B6	2	15.40	0.40	12.32		
	B7	2	15.40	0.40	12.32		
	B8	2	15.40	0.40	12.32		
	B9	2	12.20	0.40	9.76		
	B10	2	12.20	0.40	9.76	Sqm	
	Slab sides	2	18.55	0.15	5.57		
		2	12.20	0.15	3.66		
		2	3.20	0.15	0.96		
					118.67		
				Limit	113.40		
	Total Qty				**113.40**		
	Qty Upto 125% of BOQ				**81.74**		
	Qty Beyound 125% of BOQ				**31.66**		
	Present Qty				**113.40**		

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NAME OF WORK: Construction Terrace Floor Building at JP Park Swimming Pool Parking Area in JP Park Ward No-17

A) Premeasurements

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Remarks
6	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for Stairs (excluding landing) except spiral staircase including cost of all materials, labour complete as per specificaiton.							
	Stair Case	2	4.60	1.35		6.21	Sqm	
	Sides	2	4.60		0.30	2.76		
	Steps	24	1.35		0.30	9.72		
		1	3.0		1.50	4.50		
	lift door side	4	0.6		3.50	8.40		
		1	2.0		0.45	0.90		
						32.49		
					Limit	31.98		
	Total Qty					**31.98**		
	Present Qty					**31.98**		

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Sub-Division:
Book Vr.No:
Dated:

NAME OF WORK: Construction Terrace Floor Building at JP Park Swimming Pool Parking Area in JP Park Ward No-17

A) Premeasurements

Item No	Discription of Item	No	Length	Depth	Qty	Unit	Remarks
7	Providing and constructing precast concrete solid blocks with compressive strength not less than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications.						
						Sqm	
	Building wall Right side	2	18.10	3.50	126.7		
	Ward	2	4.20	1.70	14.28		
		4	11.9	1.70	80.92		
		2	3.9	3.50	27.3		
		1	7.52	3.50	26.32		
	Sample reciewing	2	2.70	3.50	18.9		
	W/C	1	2.50	3.50	8.75		
	Back side wall	1	12.20	3.5	42.7		
	Toilet wall	2	5.90	3.5	41.3		
	Front side wall	1	15.4	3.50	53.9		
	Centre wall	1	4.7	3.50	16.45		
		1	5.95	1.10	6.545		
					464.07		
	Deduction Door D2 (-)	9	0.90	2.10	17.01		
	(-)	4	0.75	2.10	6.30		
	Window W(-)	6	1.80	0.65	7.02		
	Front entry glass door	6	1.80	0.65	7.02		
	R/s(-)	1	2.50	3.00	7.50		
	Derduction of Columns	15	0.45	3.50	23.63		
	Ventilators	4	2.90	0.75	8.70		
	Open space	1	4.90	1.35	6.62		
		1	6.80	2.40	16.32		
		1	2.80	2.40	6.72		
					106.83		
					357.24		
				Limit	**223.37**		
	Total Qty				**223.37**		
	Qty Upto 125% of BOQ				**118.31**		
	Qty Beyound 125% of BOQ				**105.06**		
	Present Qty				**223.37**		

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Sub-Division:
Divisional Cash Book Vr.No:
Dated: Development O

NAME OF WORK: Construction Terrace Floor Building at JP Park Swimming Pool Parking Area in JP Park Ward No-17

A) Premeasurements

Item No	Discription of Item	No	Length	Depth	Qty	Unit	Remarks
9	Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.						
	Tarrace floor					Sqm	
	Building wall Right side	2	18.10	3.50	126.7		
	Ward	2	4.20	1.70	14.28		
		4	11.9	1.70	80.92		
		2	3.9	3.50	27.3		
		1	7.52	3.50	26.32		
	Sample reciewing	2	2.70	3.50	18.9		
	W/C	1	2.50	3.50	8.75		
	Back side wall	1	12.20	3.50	42.7		
	Toilet wall	2	5.90	3.50	41.3		
	Front side wall	1	15.4	3.50	53.9		
	Centre wall	1	4.7	3.50	16.45		
		1	5.95	1.10	6.545		
					464.07		
	Deduction Door D2 (-)	9	0.90	2.10	17.01		
	(-)	4	0.75	2.10	6.30		
	Window W(-)	6	1.80	0.65	7.02		
	Front entry glass door	6	1.80	0.65	7.02		
	R/s(-)	1	2.50	3.00	7.50		
	Derduction of Columns	15	0.45	3.50	23.63		
	Ventilators	4	2.90	0.75	8.70		
	Open space	1	4.90	1.35	6.62		
		1	6.80	2.40	16.32		
		1	2.80	2.40	6.72		
					106.83		
					357.24		
				Limit	332.62		
	Total Qty				**332.62**		
	Qty Upto 125% of BOQ				**89.49**		
	Qty Beyound 125% of BOQ				**243.13**		
	Present Qty				**332.62**		

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A) Premeasurements

Item No	Discription of Item	No	Length	Depth	Qty	Unit	Remarks
10	Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.						
	Tarrace floor						
	Ward	4	5.90	4.20	99.12		
	Passage	1	11.90	2.55	30.35		
		1	2.50	2.00	5.00		
	Waiting room	1	5.00	6.00	30.00		
	medical shop	1	3.40	2.90	9.86		
	Toilet	1	1.50	2.20	3.30		
		2	3.00	2.20	13.20		
	Toilet	2	5.90	1.75	20.65		
	Passage	1	5.85	1.65	9.65		
	Reciption	1	8.80	6.10	53.68		
	Lift room side	1	3.00	1.85	5.55		
		1	6.60	4.40	29.04		
	Beam bottom	4	6.75	0.30	8.10		
		2	6.10	0.30	3.66		
	Front side beam	2	7.00	0.30	4.20		
	Left side	1	7.40	0.30	2.22		
		2	4.50	0.30	2.70		
					330.28		
				Limit	329.40		
	Qty Upto 125% of BOQ				**30.94**		
	Qty Beyound 125% of BOQ				**298.46**		
	Present Qty				**329.40**		

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